Notebook, N-13-10-15.2

854 – 2 grms soft Iron connected to Each in Tube	3842	1197	1350	1370	383	1243	1258	470					
	3843	1197	1233	1247	370	1227	1243	457					
Dup 3842 - 2 Bi, 2 Te to each tube	3844	1190	1243	1250	387	1227	1243	457					
	3845	1197	1257	1267	400	1233	1247	437					
854 – 2 grms Thallium Connected Each tube	3846	1193	1143	1183	117	1163	1170	213	1153	1160	363		
	3847	1220	1177	1187	117	1193	1200	973	1240	1250	463		
Dup 3846 2 Bi 2 Thallium Each tube	3848	1197	1233	1273	117	1197	1207	393	1267	1277	573		
	3849	1193	1227	1223	117	1150	1157	810	1220	1227	460		
854 – 2 grms Copper Connected Each tube –	3850	1247	1293	1303	393	1260	1273	447					
	3851	1247	1267	1280	347	1240	1260	497					
Dup 3850 2 Bi 2 Cu to Each tube.	3852	1243	1280	1287	350	1253	1270	537					
	3853	1227	1297	1307	380	1283	1277	587					
854 – 2 grms Silver connected Each tube –	3854	1190	1220	1230	380	1223	1233	573					
	3855	1240	1250	1260	410	1257	1273	540					
Dup 3854 2 Bi, 2 Ag te Each tube	3856	1223	1310	1327	363	1263	1287	520					
	3857	1220	1313	1323	387	1263	1287	520					
854 2 grms Gold connected Each tube –	3858	1197	1260	1270	447	1220	1267	496					
	3859	1208	1290	1300	410	1250	1267	493					

Note –

No Se Ta or Zr could be found

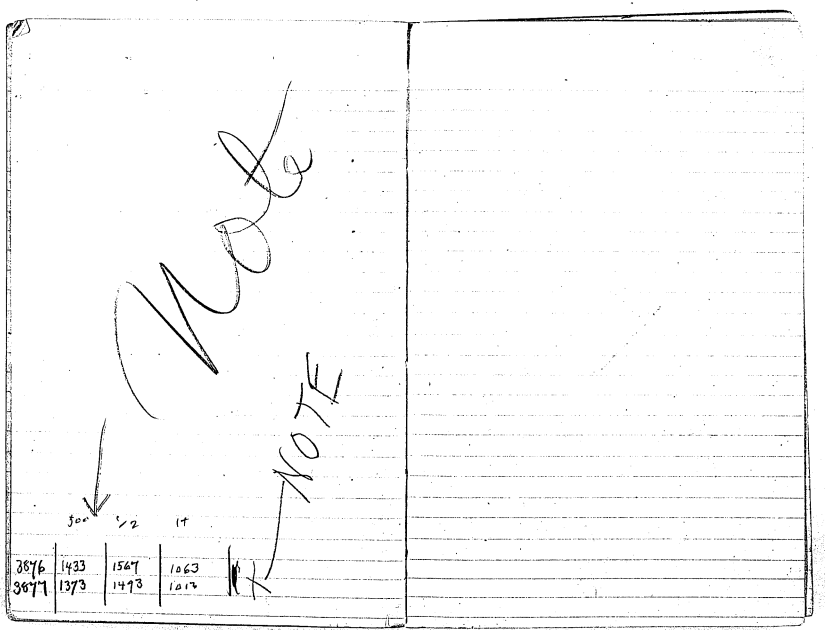
	Note			5D	1/2	Hot	100	V2	Hot
Dep 3858 2Bi 2 Au Connected Each Lobe —	3860	1193		1293	1303	447	1243	1263	493
	3861	1200		1253	1263	410	1220	1240	473
854 - 2 gms Rhodium 6 Lobe m source Lobe connected to Ni Lobe.	3862	1110		1123	1143	517	1193	1260	377
	3863	1117		787	1167	423	1200	1340	330
Dep 3862 2Bi 2 Zr to Each Lobe -	3864	1110		777	1157	407	1183	1220	350
	3865	1087		1067	1110	433	1167	1200	163
854 - 2 gms Rhodium connected Each Lobe	3866	1110		1180	1193	293	1183	1190	337
	3867	1067		1157	1147	293	1207	1213	347
Dep 3866 - 2Bi 2 Rhodium Connected Each Lobe.	3868	1080		1167	1187	263	1193	1200	327
	3869	1083		1157	1240	267	1257	1273	330
Goldstein 474 - 4 - 27 - 235D X 7031 Dropping Int - 4% BISMUTH 7017	3870	1260		1500	1573	897	1643	1713	897
	3871	1260		1483	1580	900	1627	1690	957
Goldstein 478 - 5% Bi Ph mod - 241D X 7193 7180 Soft Lucky BISMUTH	3872	1263		1327	1360	650	1407	1460	697
	3873	1257		1330	1360	767	1463	1497	753
Goldstein 479 - 298 mah per gram 10% Bi Phosphomolybd 245D X 7405 - 7425 Soft Lucky BISMUTH	3874	1213		1490	1547	847	1717	1733	960
	3875	1210		1467	1553	847	1657	1733	887
Goldstein 480 BISMUTH 7343 248D X 7373 Soft Lucky 15% Bi Phosphomolybd	3876	1227		1490	1583	923	1667	1683	940
	3877	1220		1457	1490	960	1647	1663	903

NOTE

	150	½	H	200	½	H
3870	1617	1703	1087	1523	1640	1053
3871	1600	1667	1207	1533	1647	1053
3872	1367	1477	930	1283	1467	857
3873	1413	1490	983	1313	1527	900
3874	1660	1760	1093	1523	1687	1090
3875	1667	1773	1027	1500	1713	1047
3876	1717	1800	1113	1550	1787	997
3877	1683	1760	917	1533	1757	993

	250	½	H	300	½	H	
	1553	1643	1090	1573	1640	1067	X
	1570	1653	1087	1583	1647	1047	
Rewelded	1200	1367	863	1300	1443	[illegible]	
	1307	1480	943	1430	1533	[illegible]	
	1593	1683	1017	1613	1687	883	X
	1583	1680	1033	1613	1680	1097	
	1657	1750	1091	1667	1733	1053	
	1593	1740	1000	1640	1750	1070	

	~~350~~			350	½	11	400	½	cc	450	½	11				
3870				1533	1600	1030	1410	1543	1057	1310	1550	1037				
3871				1567	1640	983	1483	1577	1057	1453	1583	990				
	300	½	cc													
3872	1320	1457	917													
73	1397	1493	1010													
3874				1573	1680	877	1500	1620	1103	1383	1617	1487	1650			
3875				1520	1600	1017	1297	1433	1143	1307	1533	1353	1520			
										400, bad 9 Plum Pudding						
3876				1570	1707	1003	1413	1563	1167	1517	1427	1580	1030			
3877				1600	1707	990	1440	1640	1237	1590	1430	1640	1057			


Note
NOTE
for
1/2
If
3876 1433 1567 1063
3877 1373 1493 1013

Goldstein 481 – 2.5% Bihydroxide BISMUTH	2460	×	7 616 / 7 660	3878 / 3879	1207 / 1223		1507 / 1493	1550 / 1533	853 / 910	1667 / 1660	1700 / 1667	777 / 973
Goldstein 482 – 7.5% Bihydrox BISMUTH	2420	×	7 188 / 7 183	3880 / 3881	1210 / 1227		1457 / 1440	1550 / 1550	860 / 837	1600 / 1547	1667 / 1733	907 / 880
Goldstein 483 – 12.5% Bihydrox BISMUTH	2570	298 mah per gram	7 744 / 7 708	3882 / 3883	1260 / 1233		1507 / 1543	1587 / 1593	883 / 803	1707 / 1707	1733 / 1767	963 / 850
Goldstein 484 – 15% Bihydrox BISMUTH	2430	×	7400 / 7421	3884 / 3885	1227 / 1230		1490 / 1517	1530 / 1583	913 / 897	1693 / 1700	1710 / 1687	843 / 1017
Goldstein 485 – 17.5% Bihydrox BISMUTH	2530	339 mah per gram	7649 / 7639	3886 / 3887	1233 / 1243		1540 / 1507	1567 / 1550	1087 / 1003	1640 / 1670	1687 / 1677	1037 / 1000
Goldstein 486 – Soft Gucky 2% Bihydrox	BISMUTH 2810	×	6976 / 6971	3888 / 3889	1233 / 1217		1310 / 1297	1327 / 1307	613 / 597	1383 / 1377	1423 / 1403	600 / 583
Goldstein 487 – 4% Bihydrox Bucky	BISMUTH 2450	×	7228 / 7200	3890 / 3891	1243 / 1240		1353 / 1363	1407 / 1400	993 / 807	1467 / 1463	1523 / 1507	797 / 773
Goldstein 488 – 6% Bihydrox	BISMUTH 2430		7 340 / 7 273	3892 / 3893	1253 / 1233		1413 / 1393	1470 / 1463	807 / 783	1557 / 1510	1593 / 1553	847 / 753
Goldstein 487 – Bucky 9% Bihydroxy	BISMUTH 2350		7 022 / 7 001	3894 / 3895	1223 / 1220		1447 / 1450	1517 / 1527	893 / 843	1617 / 1600	1653 / 1680	917 / 917

Note

NOTE

AK

	150	1/2	H	200	1/2	H
3878	1643	1800	923	1317	1800	1073
3879	1643	1800	1070	1517	1747	1097
3880	1587	1663	1117	1500	1647	1067
3881	1500	1687	1117	1443	1667	957
3882	1653	1743	1210	1467	1723	1070
3883	1653	1737	1240	1517	1717	1070
3884	1657	1733	1210	1523	1673	1093
3885	1663	1750	1170	1583	1733	1087
3886	1703	1757	1073	1493	1667	1167
3887	1653	1683	1280	1567	1650	1100
3888	1327	1433	800	1290	1420	767
3889	1333	1413	763	1267	1400	957
3890	1380	1527	910	1293	1533	853
3891	1420	1527	907	1317	1520	853
3892	1490	1600	997	1453	1600	943
3893	1460	1560	960	1447	1587	937
3894	1587	1663	1150	1517	1683	1050
3895	1593	1663	1140	1517	1693	1043

	250	1/2	1H	300	1/2	H			
	1567	1767	1023	1500	1753	1040			
	1600	1763	1200	1567	1727	917			
	1520	1617	1023	1577	1687	1090			
	1480	1620	1000	1473	1593	990			
	1583	1747	1127	1630	1723	1073			
	1637	1757	1087	1640	1730	1050			
	1573	1710	1167	1633	1717	1003			
	1597	1723	1047	1710	1760	1003			
	1533	1760	1323	1607	1727	800			
	1550	1717	1143	1557	1683	1047			
	1200	1413	767						
	1217	1383	867						
				Rest time			3m	1/2	1H
	1233	1460	900	1367	1493	1467	1567	1567	1023
	1230	1447	870	1357	1480	1443	1547	1547	1020
	1413	1577	970	1533	1620				
	1360	1527	920	1467	1567				
	1560	1650	1067	1600	1667	1523	1597	1597	1153
	1493	1573	977	1523	1600	1457	1550	1550	1043

3333 / 1600

	340	½	14	400	½	14
3878	1533	1730	933	1333	1680	1213
3879	1533	1790	940	1310	1720	1237
3880	1520	1583	970	1483	1593	1097
3881	1467	1577	937	1380	1573	1063
3882	1577	1680	963	1383	1533	1187
3883	1533	1643	1017	1353	1527	1180
3884	1600	1707	990	1423	1550	1170
3885	1650	1727	993	1487	1617	1180
3886	1577	1793	953	1467	1697	1083
3887	1467	1600	1117	1313	1467	1117
3890	1363	1447	867	1213	1400	867
3891	1467	1553	930	1267	1487	900
3892	1567	1647	993	1467	1600	980
3893	1523	1600	957	1467	1580	1003
3894	1600	1657	983	1510	1600	1040
3895	1533	1633	973	1452	1563	1017

400 Get 9 Runs on board

1450	1697	1493	1747	917	1473	1680	1093	
1527	1723	1340	1693	940	1347	1550	1007	
1543	1600	1467	1583	963	1340	1463	957	
1523	1593	1300	1550	960	1200	1443	947	
1447	1590	1133	1450	1050				
1423	1580	1267	1427	1063				
1480	1597	1353	1527	1017	1257	1400	1053	
1573	1653	1480	1593	1067	1390	1437	1073	
1643	1693	1480	1643	1057				
1350	1480	1430	1650	987				
1317	1423	1193	1400	980	1240	1460	990	
1383	1513	1287	1447	803	1353	1543	907	
1516	1617	1427	1577	957	1467	1597	980	
1513	1593	1400	1540	900	1423	1557	933	
1547	1587	1473	1590	970	1453	1580	1007	
1483	1550	1430	1553	947	1407	1527	980	

Gold alum 490			3896	1193
1% Bismuth 228 D	7004		3897	1207
Bucky BISMUTH	6992			
Gold alum 491			3898	1183
1% Bismuth 234 D	7020		3899	1170
Bucky BISMUTH	7060			
Gold alum 492			3900	1277
3% Bismuth 232 D	6996		3901	1280
Soft Bucky BISMUTH	7063			
Gold alum 493			3902	1237
3% Bismuth 227 D	7015		3903	1223
Soft Bucky BISMUTH	6933			
894 266 D			3904	1157
Stock was filed down to .008 + flattened out by Gottman	7234		3905	1163
	7303			
Deep 3904 Except filed down to .007 + flattened 267 D	7209		3906	1143
	7308		3907	1177
Deep 3904 Except filed down to .006 + flattened 269 D	7315		3908	1277
	7318		3909	1200
Deep 3904 Except filed down to .008 + put thru Rolls 266 D	7190		3910	1170
	7176		3911	1200
Deep 3904 Except stock filed to .007 + put thru Rolls	7202		3912	1208
	7291		3913	1223

filing down & wrapping in t-

.010	1/2	Hot	100	1/2	Hot
1243	1257	400	1317	1327	447
1260	1267	528	1350	1373	617
1257	1267	580	1350	1370	680
1267	1277	613	1357	1373	663
1320	1333	707	1423	1450	787
1350	1367	683	1430	1443	773
1333	1350	683	1430	1467	807
1333	1350	693	1423	1463	733
1190	1200	340	1290	1297	497
1207	1227	366	1290	1297	533
1200	1210	363	1273	1283	543
1233	1243	363	1290	1297	573
1273	1283	313	1317	1343	667
1247	1277	303	1313	1330	563
1233	1243	333	1290	1300	570
1250	1260	303	1300	1320	500
1243	1263	447	1253	1263	543
1253	1270	447	1260	1273	523

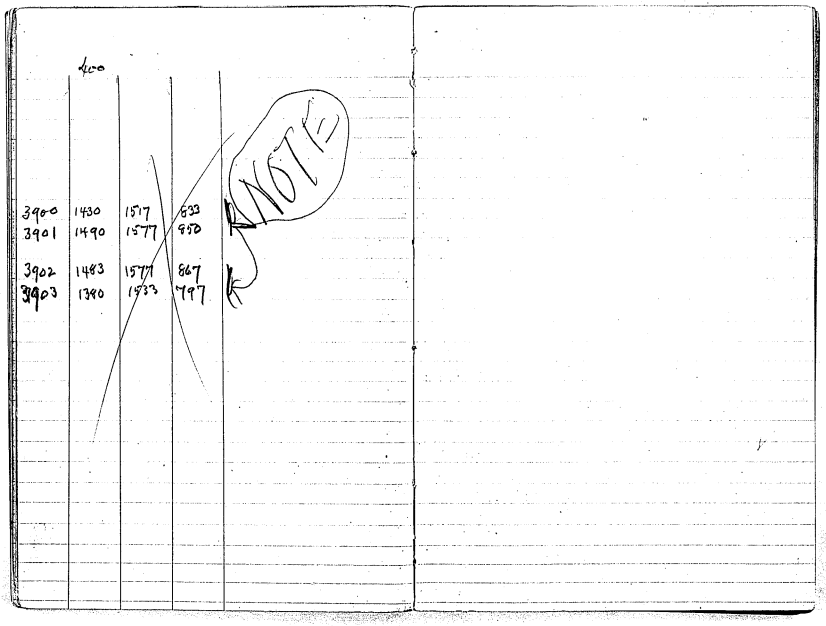
3896	1250	1320	760	1300	1333	737
3897	1320	1353	767	1313	1367	750
3898	1330	1357	697	1307	1360	750
3899	1330	1360	697	1317	1367	767
3900	1393	1457	860	1367	1423	897
3901	1433	1493	863	1393	1460	867
3902	1447	1467	900	1387	1457	873
3903	1400	1467	903	1383	1453	797
3904	1260	1290	650	1280	1310	637
3905	1287	1313	713	1310	1360	657
3906	1260	1293	397	1303	1333	670
3907	1290	1323	720	1300	1340	673
3908	1330	1373	763	1327	1383	730
3909	1317	1350	693	1317	1367	687
3910	1290	1317	687	1297	1333	671
3911	1273	1327	683	1303	1343	703
3912	1290	1320	650	1200	1243	530
3913	1307	1350	650	1240	1267	540

250	1/2	ft
1197	1340	680
1197	1333	687
1260	1407	760
1300	1410	733
1333	1507	867
1367	1550	837
1320	1383	577
1313	1393	627

Run Twice

300	1/2	ft
1293	1397	1123
1280	1363	1087
1370	1457	927
1443	1520	933
1397	1447	933
1387	1460	927

1243	713	
1223	693	
1400	1497	823
1460	1527	860
1437	1513	913
1390	1477	867


400
3900 1430 1517 533
3901 1490 1577 558
3902 1483 1577 867
3903 1380 1533 797
NOT

Dup 3904 Except Sieve filled down to close & put thro' finer 2 days	7254 7289	3914 3915	1207 1200
Lot 39 flasks 1164– 1 @ 3.9 27 26th	7952 7961	3916 3917	1250 1263
Lot 39 of 854 4.5 26th	7556 7546	3918 3919	1247 1243
854– 5% Crushed Mamble Mum 100 on 190 mixed 6th after 26th	7371 7476	3944 3945	1180 1210
Dup 3944 10% Crushed Mamble 6.16 after 27th	7381 7395	3946 3947	1123 1120
Dup 3944 20% Crushed Mamble 5th after 28th	7342 7340	3948 3949	1043 960
12 tubes filled with 1196 72 mix Rounded (red) Mum remaining Hopper 100 per Dump 20 flasks Remained 4 tubes 100 D	10027 10092	3950 3951	1185 1175
Dup 3950 Except Dump 100 72 mixt Mum 4.3 f 9th D	9842 9873	3952 3953	1485 1690

1257	1270	473	1250	1260	543					
1263	1270	440	1280	1300	540					
1303	1310	323								
1310	1320	810								
1267	1280	447	1250	1260	430					
1263	1273	453	1247	1247	420					
1197	1220	660	1292	1310	770					
1260	1283	748	1340	1363	763					
1163	1190	910	1260	1293	693					
1167	1200	663	1260	1290	670					
1083	1103	657	1163	1187	687					
1087	1060	603	1080	1113	667					
						200	½			
2125	2975	1725	2100	3000	1680	1230	1475	1490		
2200	3095	1740	2200	3125	1630	1150	1530	1520		
2200	3125	1605	1560	2340	1520	225	340	1515		
2200	3135	1595	1650	2340	1350	250	365	1480		

all 205 Mash per gram
Lime Carbonate does not harm
mixes in green sand/loam

3914	1307	1350	670	1307	1360	620	
3915	1327	1350	670	1290	1420	690	
3944	1280	1337	793				
3945	1327	1390	837				

				50	½	ff	100	½	ff
Dup 3950		3954							
Dump .100 fr mix Illem #3 f 9 A	9842 9873	3955							
Ra 1129 Experiment		3970	1193	1607	1633	930	1647	1700	893
Element to put in scrubber with tube from Conc Bal Sulfuric 4 f 27 grams	8 125 8 827	3971	1198	1607	1630	907	1653	1713	897
Dump 6 Rm f BISMUTH 6 Rump									
(1169 + (new) Dup 3770		3972	1263	1643	1657	933	1720	1760	937
7 Rump BISMUTH	7 768 7 791	3973	1230	1593	1610	890	1670	1713	857
Dup 3972		3974	1263	1600	1623	903	1690	1733	897
8 Rump BISMUTH	7 772 7 781	3975	1243	1607	1630	997	1690	1733	933
Dup 3972		3976	1250	1610	1633	957	1677	1723	943
10 Rump BISMUTH	7 806 7 827	3977	1227	1613	1633	900	1677	1717	943
884 - mixed with 10% Bi_2O_3 Then 100 cm 190 - or 2% Bi_2O_3 Heating Coarse crystal 1123 f - 27 g 4 f - 7 812 Sample Temp - BISMUTH	7 827	3978	1273	1413	1497	683	1533	1670	750
		3979	1257	1496	1587	770	1670	1713	833

NOTE

	150	½	ft	200	½	ft
3970	1657	1763	1077	1583	1642	1247
3970	1687	1790	933	1667	1750	1183
3972	1747	1790	1243	1610	1653	1257
3973	1700	1760	1050	1650	1693	1183
3974	1733	1797	1093	1690	1733	1163
3975	1693	1760	1103	1647	1687	1280
3976	1687	1753	1080	1640	1683	1287
3977	1700	1793	1037	1633	1703	1207
3978	1517	1643	930	1347	1443	750
3979	1610	1780	1057	1590	1780	960

				300	½	ft
1663	1810	673	1567	1707	1127	
1673	1813	660	1663	1793	1067	
1667	1777	633	1663	1753	1090	
1660	1770	687	1663	1793	1010	
1660	1770	667	1663	1760	1077	
1687	1767	637	1663	1733	1073	
1650	1793	663	1633	1700	1187	
1700	1790	650	1663	1757	1086	

350	½	Hot	1100	½	Hot
3970	1527	1740	1050	1447	1627	1043
3971	1527	1817	1200	1327	1557	1050
3972	1527	1727	1080	1370	1580	1040
3973	1667	1797	1077	1473	1473	1030
3974	1667	1787	1147	1473	1600	1043
3975	1713	1773	1143	1467	1630	1033
3976	1707	1827	1040	1530	1643
3977	1667	1817	1070	1473	1700

1450	½	Hot	
1383	1533	987	
1217	1377	997	× 3 Rings Cracked
1333	1440	1097	
1573	1687	1007	
1323	1487	1143	
1373	1463	863	
1380	1477	860	
1400	1420	827	

NOTE

				50	½	Hot	100	½	Hot	150	½	H
Dup 3978		3980	1267	1437	1540	620	1623	1677	443	1610	1770	967
3% Hg		3981	1247	1420	1570	797	1620	1687	833	1550	1650	1113
BISMUTH	8019 7876											
Dup 3978		3982	1230	1447	1553	660	1647	1690	787	1590	1767	933
But 15% Bi_2O_2 + 3% HgO		3983	1227	1443	1497	657	1627	1667	717	1460	1560	743
BISMUTH	8111 8116											
Dup 3978		3984	1243	1310	1353	67	1313	1410	660			
5% Bi_2O_2 3% HgO	7495	3985	1260	1343	1397	690	1357	1467	700			
BISMUTH 2.20	7593											
Dup 3978	7613	3986	1190	1400	1453	710	1533	1570	797	1583	1620	1117
10% Bi_2O_2 + 2% Antimony Oxide	7674	3987	1177	1410	1497	800	1567	1617	897	1610	1633	1217
2.12 BISMUTH												
Dup 3978		3988	1127	1390	1427	600	1480	1520	880	1493	1510	10331
10% Bi.O 5% SbO.	7782	3989	1123	1383	1417	773	1483	1526	873	1493	1527	10537
BISMUTH	7577											
854 mixed with 12% Bi.O auxiliary (less than 100 mesh)		3990	1210	1280	1290	520	1373	1390	587			
190 - 44 274 -		3991	1193	1230	1240	487	1340	1350	527			
21K 1 LiOH 2.43	7547											
BISMUTH	7543											
Dup 3990		3992	1240	1390	1480	693	1533	1603	803	1593	1653	113
21K 2 Li BISMUTH		3993	1217	1417	1520	740	1533	1613	890	1593	1667	110
Dup 3990		3994	1203	1077	1887	327	1543	1263	587			
25K ½ LiOH · BISMUTH		3994	1193	1000	1620	327	1423	1153	457			

	2ω	4/r	Kdl	
3980	1527	1663	1040	
3981	1533	1707	993	
3982	1450	1720	997	
3983	1320	1363	900	

Dup 3990	3996	1243	1253	1290	523	1320	1367	617				
25K 1 Li BISMUTH	3997	1250	1297	1333	563	1387	1393	640				
Dup 3990	3998	1310	1390	1593	863	1533	1723	987	1747	1757	1300	
25K 2 Li BISMUTH	3999	1337	1480	1567	1117	1523	1600	1117	1697	1760	1393	
Dup 3990	4000	1048	867	893	323	933	940	310				
30K No Li BISMUTH	4001	1043	867	877	323	927	933	810				
Dup 3990	4002	1143	997	1037	407	1100	1117	413				
30K 250 mg Li BISMUTH	4003	1142	1043	1077	393	1083	1103	340				
Dup 3990	4004	1217	1157	1238	480	1223	1243	450				
30K ½ from Li, BISMUTH	4005	1193	1130	1220	480	1250	1277	490				
734-16.8% Bi, 4f 267	4006	1143	1427	1507	837	1600	1617	803	1600	1623	933	
Split. 257D 7833 7835 7802	4007	1187	1490	1557	927	1647	1660	767	1687	1727	1030	
21K ½ Li BISMUTH	4008	1107	1443	1510	927	1603	1610	807	1630	1650	1010	
Dup 4006 -	4009	1110	1400	1417	576	1450	1480	590	1500	1517	746	
21K 1 Li 7831	4010	1147	1400	1420	463	1490	1520	543	1470	1483	697	
BISMUTH. 7814 7881	4011	1140	1410	1426	460	1443	1470	507	1483	1507	727	
854- 10% Bi 0 from 100 alloy from m 4 26.8% BISMUTH 7705	4012	1247	1460	1620	830	1577	1680	923	1693	1700	1127	
Sample 21K 2 Li. 7708	4013	1263	1493	1627	910	1633	1670	970	1650	1683	1183	

				250	½	M
3998	1243	1750	1047	1217	1793	927
3999	1533	1710	1080	1600	1877	800

				250	½	M
4006	1533	1610	963	1523	1590	713
4007	1550	1703	863	1493	1773	733
4008	1577	1623	990	1583	1620	500

				250	½	M
4012	1450	1720	987	1443	1650	760
4013	1590	1743	990	1557	1773	953

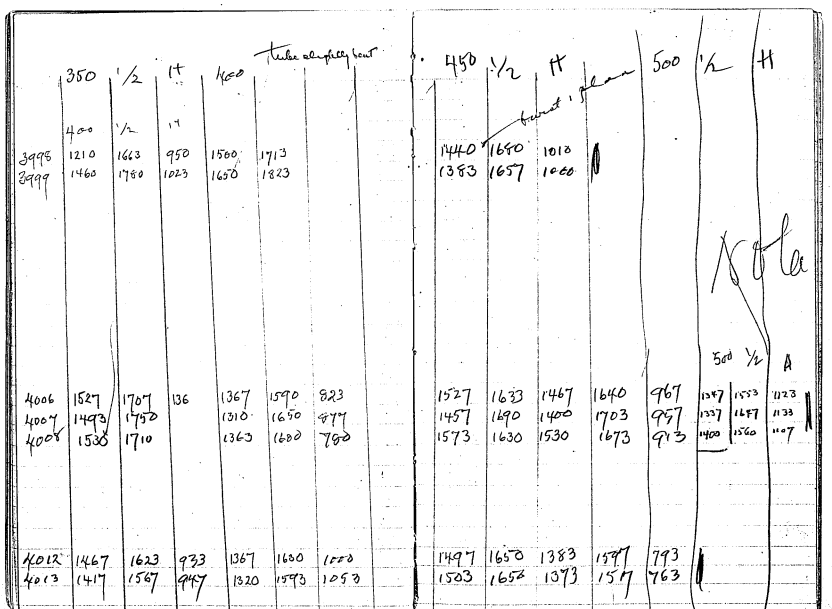
250 Run 3 times more

				300	½	M	350	½	M
1490	1733	X	1527	1730	867	1460	1613	967
1733	1800		1593	1833	773	1667	1790	910

Note

				300	½	M
1523	1563	X	1500	1600	990	
1593	1660		1500	1647	873	
1550	1583		1533	1653	767	

				300	½	M
1517	1590	X	1500	1620	873	
1687	1707		1583	1650	1053	



	350	½	H	400	tube amplifier heat		450	½	H	flame	500	½	H
	400	½	H										
3998	1210	1663	950	1500	1713		1440	1680	1010				
3999	1460	1780	1023	1650	1823		1383	1657	1060				
												500 ½	A
4006	1527	1707	136	1367	1590	823	1527	1633	1467	1640	967	1267 1553	1123
4007	1493	1750		1310	1650	877	1457	1690	1400	1703	957	1237 1687	1133
4008	1530	1710		1363	1680	780	1573	1630	1530	1673	913	1400 1560	1107
4012	1467	1623	933	1367	1680	1000	1497	1650	1383	1597	793		
4013	1417	1567	947	1320	1593	1058	1503	1658	1373	1517	763		

Dup 4012 BISMUTH	4014	1253	1430	1477	1050	1637	1673	870	1613	1633	1247
Except 15% Bi O_X 7720	4015	1260	1440	1667	827	1637	1693	867	1647	1667	1250
251D 7768											
854 15% Bi.O How 100 on 190 —	4016	1253	1600	1617	757	1567	1593	1050	1467	1790	717
4 27.3 7944	4017	1260	1610	1623	827	1610	1640	977	1640	1843	850
252D BISMUTH 7954											
Lot 40 flats 1129 Fisher	4018	1200	1223	1240	403	1223	1243	373			
27.2 4 - 257D 7881	4019	1237	1228	1240	403	1187	1217	373			
4997											
Lot 40 f. 854 —	4020	1233	1213	1223	413						
24 44 — 267D 7407	4021	1237	1210	1217	407						
4476											
854 Mixed with 12% Bi.O	4022	1300	1440	1600	727	1387	1400	670			
How 100 on 190 4 27.3 7902	4023	1273	1353	1527	693	1267	1297	580			
30K Li 261 D. BISMUTH 7810											
Dup 4022	4024	1303	1530	1677	1097	1590	1720	1247	1680	1967	1797
30k 2 Lithi. BISMUTH	4025	1297	1363	1677	1027	1517	1643	1247	1533	1700	1652
854 - 4.3 23.9	4026	950	1200	1207	397	1190	1200	423			OVER
Took prog. from called and cut it so I	4027	800	1200	1213	397	1200	1200	423			
first filled him as of Cents.											
252D 7022											
7010											
Please check all of this.											

Note Called Solomon from the office & asked him to check

9.2 19.5 2.1 19.3 4.6

tubes smaller ring broken

250

4014	1580	1663	753	1557	1827	883
4015	1567	1733	1017	1497	1810	953
4016	1420	1790	917	1400	1950	907
4017	1380	1796	913	1317	1887	957

4024	1590 X	1790	1020			
4025	1383 X	1550	1110			
4026	1227	1263	583	1200	1283	573
4027	1213	1267	563	1183	1293	610

Run 3 Times more 300 ½ IT

$$\begin{vmatrix} 1677 & 1727 \\ 1630 & 1713 \end{vmatrix} \times \begin{vmatrix} 1590 & 1707 & 963 \\ 1467 & 1707 & 973 \end{vmatrix}$$

$$\begin{vmatrix} 1590 & 1713 \\ 1467 & 1760 \end{vmatrix} \quad \begin{vmatrix} 1517 & 1660 & 900 \\ 1467 & 1743 & 973 \end{vmatrix}$$

	700	1/2	H	400	1/2	H
4014	1527	1707	993	1400	1683	1047
4015	1447	1703	1007	1280	1673	1013
4016	1443	1760	920	1317	1633	917
4017	1447	1760	1010	1233	1678	1017

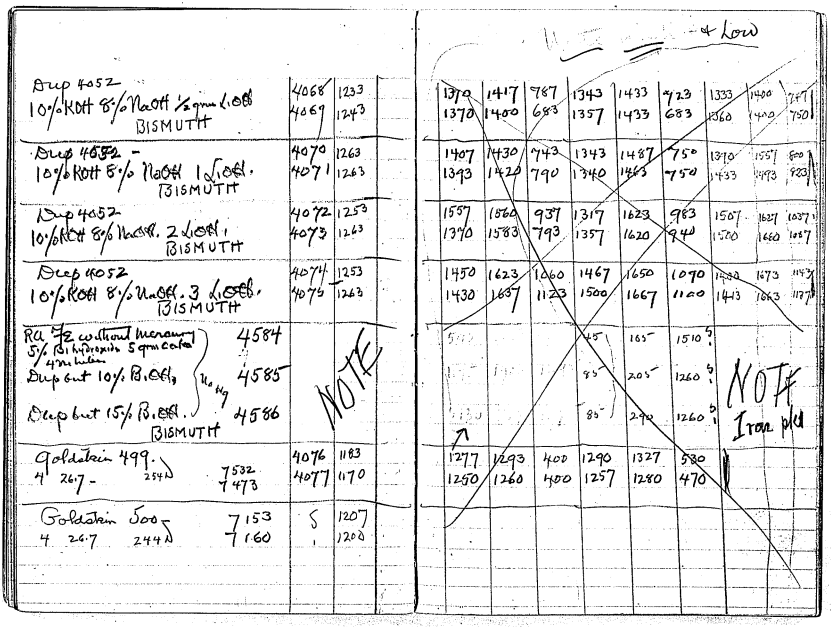
500	1/2	950		
1493	1703	1467	1660	907
1367	1707	1390	1657	877
1453	1663	1507	1683	983
1327	1720	1333	1667	1017

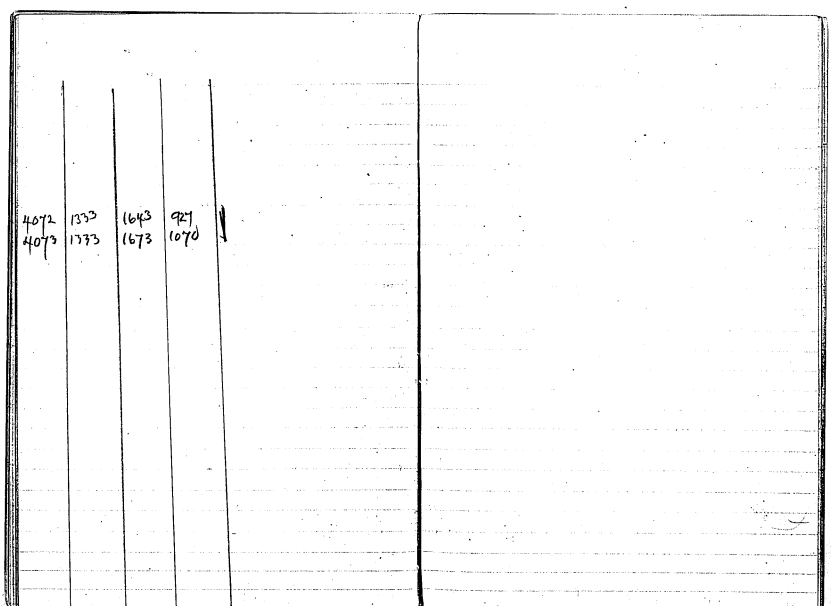
NOTE

1289 RCA Expmt (1164 Type)	4050	1077	1183	1147	283	1067	1080	300					
1127 f. 4.3 f	4051	1077	1183	1147	280	1083	1093	300					
854 Mixed 12% P3.0 (1hm 30 min) 70	4052	1223	1247	1360	690	1323	1457	753					
2/3 4 BISMUTH	4053	1227	1263	1357	677	1357	1453	667					
15% NaOH ½ gm Li 0.66	7500	7747											
Dup 4052	4054	1227	1257	1370	760	1340	1467	853	1233	1340	1158		
15% NaOH 1 Li BISMUTH	4055	1223	1247	1383	797	1343	1497	1003	1200	1330	1177		
Dup 4052	4056	1200	1343	1503	977	1409	1633	1063	1400	1633	1240		
15% NaOH 2 Li BISMUTH	4057	1200	1333	1473	953	1450	1660	987	1400	1587	1197		
Dup 4052	4058	1163	1333	1400	1130	1500	1667	893	1400	1543	1177		
15% NaOH 3 Li 0.66 BISMUTH	4059	1230	1197	1480	1117	1500	1780	853	1333	1647	973		
Dup 4052	4060	1190	1277	1380	687	1370	1477	597	1370	1450	710		
18% NaOH ½ Li 0.66 BISMUTH	4061	1177	1257	1363	643	1367	1480	617	1353	1470	747		
Dup 4052	4062	1173	1300	1467	783	1393	1643	830	1400	1600	960		
18% NaOH 1 Li 0.66 BISMUTH	4063	1177	1290	1478	767	1483	1663	893	1363	1580	950		
Dup 4052 Bismuth	4064	1183	1350	1517	1207	1157	1510	1117	1333	1530	1077		
18% NaOH. 2 Li 0.66	4065	1190	1307	1583	1163	1157	1523	1173	1313	1570	1093		
Dup 4052 BISMUTH	4066	1193	1380	1427	1187	1157	1523	1190					
18% NaOH 3 Li 0.66	4067	1193	1510	1670	1203	1203	1533	1197					

Note

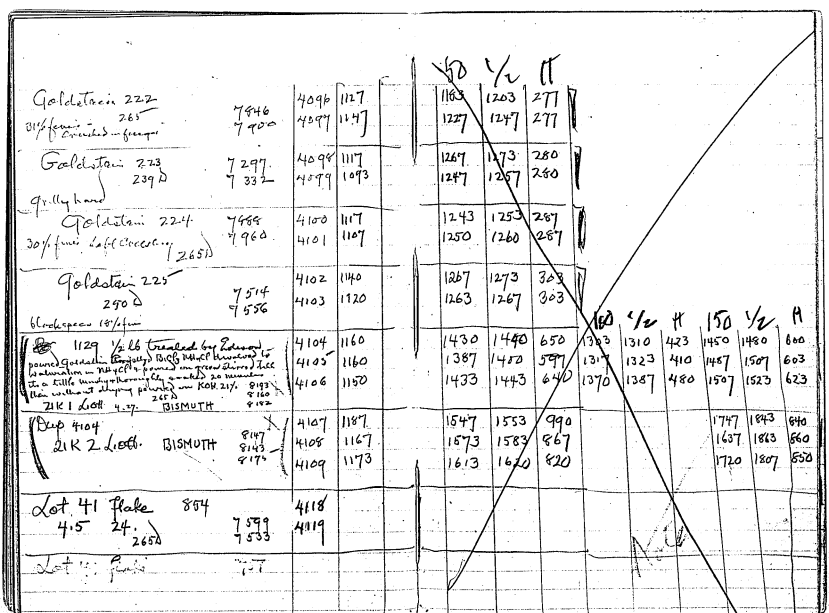
4054	1153	1437	930	
4055	1133	1433	933	


Dup 4052
10% KOH 8% NaOH ½ gm Lead
BISMUTH
4068 1233
4069 1243
1370 1417 787 1343 1433 723 1333 1400 787
1370 1400 683 1357 1433 683 1360 1400 750
Dup 4052
10% KOH 8% NaOH 1 Lead
BISMUTH
4070 1263
4071 1263
1407 1430 743 1343 1487 750 1370 1557 800
1393 1420 790 1340 1463 750 1433 1493 823
Dup 4052
10% KOH 8% NaOH. 2 Lead
BISMUTH
4072 1253
4073 1263
1557 1560 937 1317 1623 983 1507 1627 1037
1370 1583 793 1357 1620 940 1520 1660 1057
Dup 4052
10% KOH 8% NaOH. 3 Lead
BISMUTH
4074 1253
4075 1263
1450 1623 1060 1467 1650 1070 1490 1673 1143
1430 1637 1123 1500 1667 1100 1443 1663 1177
Rx 72 without mercury
5% Bi hydroxide 5 gm cake
4 ml water
4584
Dup but 10% Bi. Lead
4585
Dup but 15% Bi. Lead.
BISMUTH
4586
NOTE
45 165 1510
85 205 1260
85 240 1260
NOTE
Iron plt
Goldstein 499.
4 26.7 2544
4076 1183
4077 1170
1277 1293 400 1290 1327 530
1250 1260 400 1257 1280 470
Goldstein 500
4 26.7 2440
7532
7473
7153
7160
5
1207
1200


4072 1333 1643 927
4073 1373 1673 1070

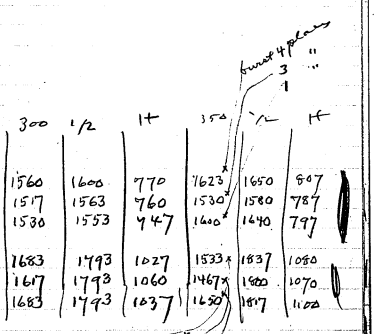
Goldstein 503	7960	4080		1223	1250	403								
269D	7873	4081		1250	1277	490								
Goldstein 212	7710	4082	1150	1257	1277	487								
252D	7650	4083	1133	1209	1213	317								
26/4min heavy														
Goldstein 213	8202	4084	1127	1257	1273	347								
277D	8275	4085	1067	1183	1220	753								
25/4min														
Goldstein 214	7170	4086	1260	1377	1400	437	1430	1500	793	1360	1400	677		
almost all black, hard gritty	7183	4087	1260	1333	1367	730	1460	1453	773	1340	1427	663		
242D 85 BISMUTH														
Goldstein 215		4088	1210	1350	1383	967	1400	1457	827	1340	1430	870		
288D	7172	4089	1193	1333	1370	693	1400	1450	827	1357	1440	877		
25/4min 511 BISMUTH	7204													
Goldstein 218	7935	4090	1113	1163	1217	313								
quite some black	7902	4091	1110	1170	1217	333								
267D														
Goldstein 219 -	7328	4092	1183	1227	1247	297								
238D	7360	4093	1170	1227	1247	287								
Crumbly 6 min -														
Goldstein 220		4094	1120	1223	1247	327								
272D	8209	4095	1123	1220	1247	830								
	8188													

4086	1317	1460	536		D
4087	1303	1460	517		
4088	1353	1453	620		U
4089	1410	1510	984		


Goldstein 222
265
7946
7900
4098
4099
1127
1147
1183
1227
1203
1247
277
277
Goldstein 223
239 D
7297
7337
4098
4099
1117
1093
1267
1247
1273
1267
280
280
Goldstein 224
7485
7960
4100
4101
1117
1107
1243
1250
1253
1260
287
287
Goldstein 225
290 D
7514
7556
4102
4103
1140
1120
1287
1263
1273
1267
303
303
1129
4104
4105
4106
1160
1160
1150
1430
1387
1433
1440
1480
1443
650
597
640
ZIK 1 Lott 4.27
BISMUTH
Dup 4104
ZIK 2 Lott
BISMUTH
8147
8143
8173
4107
4108
4109
1187
1167
1173
1547
1573
1613
1553
1583
1620
990
867
820
Lot 41 Flake 884
4.5 24.
2650
7599
7533
4118
4119
150
1/2
H
1383
1317
1370
1310
1323
1387
423
410
480
1450
1457
1507
1480
1507
1523
600
603
623
150
1/2
H
1747
1637
1720
1843
1863
1807
640
560
650

	200					
4104	1533	1557	730	1563	1587	687
4105	1510	1583	723	1543	1560	667
4106	1513	1533	743	1503	1563	657
4107	1693	1725	1050	1667	1787	907
4108	1520	1763	1057	1620	1750	907
4109	1647	1770	1050	1680	1763	893

	300	1/2	1+	3+	1/2	1+
	1560	1600	770	1623	1650	807
	1517	1563	760	1530	1580	787
	1530	1553	747	1600	1640	797
	1683	1793	1027	1533	1837	1050
	1617	1793	1060	1467	1800	1070
	1683	1793	1037	1650	1847	1100



854 soaked with Conc 30 of gl. Rich Wkly of dendle and dissolved in Solution in which powdered Solution on day before test at observed set it would in 5 minutes + it was muddy then poured 21 Kept on it a pest on board Block on hot plate for 1/2 hours of 3 minutes right & flask covered by decantation family water of glucose distilled twice.	4128	1223	1583	1607	807	1533	1667	873	1600	1677	733
	4129	1223	1590	1603	843	1560	1650	937	1640	1720	783
1123 f 4 27.3 237 D 7379 21K2Li BISMUTH 7383											
Dep 4128	4130	1183	1467	1483	607	1447	1430	573			
Except 21K1Li 7430	4131	1200	1517	1527	697	1428	1430	683			
BISMUTH 7451											
Dep 4128 Except 48 mixture for Sub-p-4 7 Rings to add Cidan	4132	1217	1540	1547	893	1507	1733	1073	1657	1707	907
	4133	1217	1557	1547	863	1600	1693	953	1680	1740	863
Decomp Q Mem fit 137 D 6973 BISMUTH 6952											
Dep 4132 Except 8 Rings	4134	1203	1567	1580	867	1533	1653	967	1600	1710	813
BISMUTH 137 D 7001	4135	1240	1567	1580	843	1593	1617	997	1657	1723	917
7051											
Dep 4132 Except 10 Rings —	4136	1230	1610	1620	820	1623	1667	980	1657	1723	927
BISMUTH 174 D 7021	4137	1243	1620	1630	797	1633	1683	1013	1663	1737	910
7022											
Goldstein 424	4138	1120	1260	1267	463						
4 27.4 8116	4139	1130	1260	1267	463						
8145											

				250	-/2	14								
4128	1523	1660	890	1567	1667	760		1517	1627	830	1497	1667	560	
4129	1533	1703	860	1567	1687	843		1467	1613	660	1530	1723	887	
4132	1500	½ 1560	1477	1570	993									
4133	1523	1583	1557	1650	987									
4134	1457	1557	1467	1663	997									
4135	1513	1573	1450	1583	1003									
4136	1510	1587	1567	1707	1000									
4137	1517	1583	1450	1620	1010									

NOTE

350

Goldstein 498	7698	4140	1170
4 27.2 247D	7756	4141	1183
Goldstein 501	7198	4142	1193
241D	7200	4143	1178
Goldstein 502	7255	4144	1173
4 2618 243D	7244	4145	1183
Goldstein 504	7433	4146	1170
245D	7496	4147	1193
734 Cordmix 16.8%/081	7781	4148	
123 4-27	7794	4149	
25% Roff 1 Liofl 253D	7822	4150	
Dep 4148 16H B1		4151	
28% Roff 1 Liofl		4152	
		4153	
Dep 4148 16H B1		4154	
18% R + 2 Liofl		4155	
		4156	
Dep 4148 16H B1		4157	
18% Roff 3 Liofl		4158	
		4159	

1267	1280	367							
1267	1271	363							
1267	1277	370	1267	1280	330				
1260	1267	330	1267	1283	340				
1260	1267	330	1267	1290	367				
1260	1267	343	1243	1260	327				
1260	1267	360							
1267	1283	483							
1477	1533	417	1487	1423	473	1498	1507	460	
1513	1523	910	1443	1457	577	1507	1520	483	
1500	1507	720	1443	1457	580	1503	1523	463	
1457	1473	587	1410	1438	453	1507	1523	380	
1573	1617	977	1417	1447	477	1467	1487	450	
1583	1643	760	1467	1490	533	1490	1507	497	
1460	1467	727	1500	1513	797	1600	1630	643	
1500	1510	787	1510	1527	840	1620	1657	757	
1467	1477	730	1490	1510	753	1577	1627	733	
1473	1493	990	1513	1530	920	1620	1660	948	
1470	1493	900	1540	1547	887	1633	1657	800	
1473	1483	973	1533	1577	953	1647	1660	990	

4157	1457	1600	953	1513	1600	790	1517	1600	893	147	1593	790	
4158	1420	1620	963	1513	1600	807	1517	1600	987	147	1653	827	
4159	1523	1650	1027	1503	1560	850	1550	1660	983	1497	1653	950	

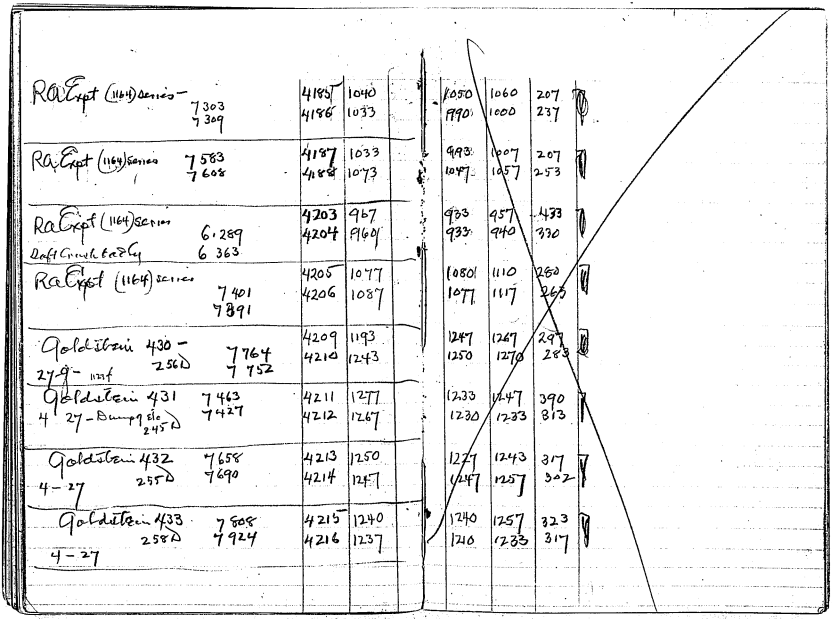
NOTE

Tantalum Bad

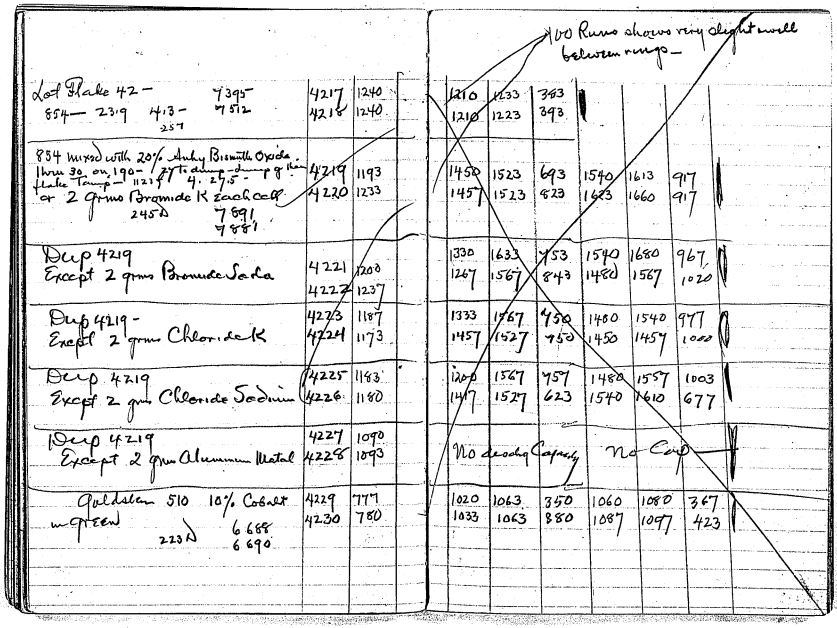
			50	½	H	100	½	H	150	½	H
Dup 4148	4160		1433	1440	1053	1530	1547	990	1563	1663	863
21K 3 Lock.	4161		1460	1467	1087	1520	1533	1080	1640	1663	893
	4162		1507	1520	947	1517	1547	920	1600	1633	933
Dup 4148	4163	1243	1517	1527	1083	1467	1427	1117	1567	1640	1033
21K 4 Lock.	4164	1250	1533	1577	1017	1343	1363	1027	1600	1663	1027
	4165	1237	1490	1547	1053	1350	1363	1067	1577	1683	1023
Dup 4148	4166	1150	1327	1343	457	1287	1313	450	1383	1433	660
16% ROH 2 Lock.	4167	1160	1366	1370	480	1357	1380	567	1393	1433	677
	4168	1123	1287	1300	897	1290	1317	477	1350	1400	677
Dup 4148	4169	1197	1503	1520	1720	1443	1463	587	1533	1577	963
16% ROH 4 Lock.	4170	1203	1477	1483	630	1437	1447	963	1560	1577	960
	4171	1203	1480	1483	610	1447	1467	923	1550	1573	960
Dup 4148	4172	1193	1497	1513	687	1333	1367	1533	1573	1083	
16% R 5 Lock.	4173	1200	1513	1523	657	1343	1367	1533	1573	1067	
	4174	1197	1530	1537	740	1373	1377	1573	1573	1043	
854. 43 243 7 515 Rivited to tube in a small tube Containing 1.030 Tantalum Wire	4175	1187	933	1290	487	1006	1243	507			
Dup 4175 Except 1.030 Tantalum + 2 gms Bismuth Connected to Lead	4176	1173	1000	1243	487	1047	1233	567			

				300	½	H
4160	1563	1733	917	1630	1716	1103
4161	1627	1703	993	1450	1587	1143
4162	1543	1693	997	1600	1693	1070
4163	1533	1667	1000	Jute burst 2 plain		
4164	1517	1730	1007	" Batchy abrasion		
4165	1533	1723	1026			
4169	1507	1557	993			
4170	1503	1557	994			
4171	1507	1560	983			
4172	1320	1443	1043	Jute burst 1 pl		
4173	1443	1553	1000	" " 1 pl		
4174	1417	1567	1017			

	350	½	Hook	H+0	½	H	450	½	H
	1527	1650	1113	1383	1523	1040	1260	1057	1153
	1433	1577	1020	1057	1267	1023	933	1127	894
	1500	1657	1000	1443	1620	1042	1267	1413	1160



RA Expt (1164) series — 7303 7309 | 4185 4186 | 1040 1033 | 1050 1090 | 1060 1000 | 207 237
RA Expt (1164) series 7583 7608 | 4187 4188 | 1033 1073 | 993 1047 | 1007 1057 | 207 253
RA Expt (1164) series 6289 6363 | 4203 4204 | 967 1960 | 933 933 | 957 940 | 433 330
Daft Creek Early
RA Expt (1164) series 7401 7891 | 4205 4206 | 1077 1087 | 1080 1077 | 1110 1117 | 260 265
Goldilocks 430 — 2560 7764 7752 | 4209 4210 | 1193 1243 | 1247 1250 | 1267 1270 | 297 283
2-9- 1134
Goldilocks 431 7463 7427 | 4211 4212 | 1277 1267 | 1233 1230 | 1247 1233 | 390 813
4 27 - Bumpy Site 2450
Goldilocks 432 7658 7690 | 4213 4214 | 1250 1257 | 1277 1247 | 1243 1257 | 317 302
4-27 2550
Goldilocks 433 7808 7924 | 4215 4216 | 1240 1237 | 1240 1210 | 1257 1233 | 323 317
4-27 2580


100 Runs shows very slight wall between runs—
Lot Blake 42 — 7395 — 4217 1240
854 — 23.9 4.3 — 7512 — 4218 1240
854 mixed with 20% Subsy Bismuth Oxide.
Thru 30 on 190 — 27 Tridym — 18 thin
Flake Temp — 1121 4. 27.5 —
or 2 grms Bromide K zaah carb 4219 1193
2458 7891 4220 1233
7881
Dup 4219
Except 2 grms Bromide Soda 4221 1200
4222 1237
Dup 4219 —
Except 2 grms Chloride K 4223 1187
4224 1173
Dup 4219
Except 2 grms Chloride Sodium 4225 1183
4226 1180
Dup 4219
Except 2 grms Aluminum Metal 4227 1090
4228 1093
Goldalum 510 10% Cobalt 4229 777
in green 4230 780
223D 6688
6690
1210 1233 383
1210 1223 393
1450 1523 693 1540 1613 917
1457 1523 823 1663 1660 917
1330 1633 753 1540 1680 967
1267 1567 843 1480 1587 1020
1333 1567 752 1480 1540 977
1457 1527 750 1450 1457 1000
1207 1567 757 1480 1557 1003
1147 1527 623 1540 1610 677
No decoding Capacity No Cap
1020 1063 350 1060 1080 367
1033 1063 880 1087 1097 423

Goldstein 511 15%		4231	710	1000	1063	403							
Cobalt in green	6 814	4232	714	1020	1063	423							
Dump 9 Thurs of 2244 -	6 890												
Goldstein 512 20% Cobalt		4233	390	920	933	420							
in green 213D	6644	4234	387	923	930	420							
	6,666												
Dup 4219 Except		4243	1173	1107	1120	553	1183	1193	420				
2 gms Zincate of K Enclosed		4244	1180	1130	1133	560	1190	1200	432				
21K2L1													
Dup 4243. Except		4245	1163	950	1530	753	587	1623	917				
21K2L1 2 gms K Nitrate		4246	1157	950	1460	810	933	1677	1643				
								=					
10 Dup 4243		4247	1017	950	1567	793	400	1683	1033				
Except 21K2L1 2 gms Nitrate Soda		4248	1000	780	1530	797	933	1660	983				
Dup 4243 Except		4249	1243	1100	1567	737	1533	1667	917	1317	1360	687	
21K2L1 2 gms Barium hydroxide		4250	1257	860	1407	733	1220	1613	650	1147	1497	527	
Lot 43 flake	4 385	4267	1223	1197	1203	340							
4.4 24hr 854 — 265	4 313	4268	1227	1190	1197	263							
Nitrate fuses pressed Cop Dally		4269	990	1010	1023	270							
in 4 gm Charges 300 at very high		4270	987	993	1007	267							
Comp Sodium 30 on 190	7 790												
270 D	7 813												

Note.

			50	½	H	100	½	H	150	½	Hal
Dup 4269 Except powder wet 10% B_2O pulled (Rest Dried) Combined Iron 30 on 190 272Δ 7808 7903	4271 4272	1043 1047	1087 1033	1093 1043	300 277						
857 – 1121f. Reg tubes, annealed but NOT PLATED 2622 7507 7540	4273 4274	1143 1163	1173 1180	1180 1183	403 560	1200 1223	1210 1233	630 587	1247 1277	1263 1293	680 683
Dup 4219 Bi 10% 21K 2Li 2 gm Calcium hydrox	4275 4276	1220 1213	1547 1523	1620 1577	567 567	1490 1553	1560 1706	1183 913			
Dup 4219 10% powdered Bi oxide gm 21K 2Li 2 gm Stronthe hydrox	4277 4278	1223 1233	1120 547	1133 1557	653 1030	1113 1590	1133 1617	363 790			
Dup 4219 21K 2Li 2 Sulphate Soda	4279 4280	1227 1240	1453 1533	1473 1550	617 590	1590 1617	1693 1637	933 997			
Dup 4219 21K 2Li 2 Sulphate Potash	4281 4282	1183 1180	1540 1480	1557 1507	853 657	1623 1493	1657 1613	967 937			
Dup 4219 21K 2Li 2 Fluoride Potash	4283 4284	1180 1167	1460 1403	1463 1427	700 573	1573 1520	1590 1560	817 703			
Dup 4219 21K 2Li 2 fluoride Soda	4285 4286	1097 1147	1240 1310	1257 1353	447 517	1263 1133	1293 1470	470 557			

	200	½	1+	250			
4273	1267	1300	647	1250	1267	760	
4274	1290	1310	680	1277	1283	717	

	250 2 months			300	½	H	
1237	1240	760		1257	1283	730	
1253	1273	717		1260	1290	770	

NOTE

4273	1263	1293	673	1233	1287	723
4274	1280	1310	707	1267	1310	737

600 — band 2 phases — slightly split

4273	1093	1117	810	
4274	1030	1060	817	

450 1/2 H 500 1/2 LY

1207	1250	710	1190	1257	793	1140	1183	773
1223	1260	727	1167	1213	793	1123	1163	773

NOTE

This is important also Cobalt Hotlab

Mi seems a little Passive

			50 ½ Ht			100 ½ Ht		
			No discharge			No discharge		
Dep 4219 Bismuth 20% X 21KZLi 2 Iodide Product	4287 4288	860 850						
Dep 4219 Bismuth 20% 21KZLi 2 Borax	4289 4290	1230 1220	1460 1540	1603 1593	790 843	1583 1583	1690 1643	880 1057
Dep 4219 – Bismuth 20% X 21KZLi 2 Silicate Soda	4291 4292	1213 1243	1350 1360	1360 1373	737 737	120 133	133 170	937 1250
854 – mixed with 10% Bismuth hydrate, 8 gms Carbon pressed in Zellic robing disc Box at Non Crushed Run 100 ohm 190 264N 7668 7752 7799	4293 4294 4295	1180 1200 1177	1477 1497 1487	1487 1553 1503	657 820 1003	1557 1580 1587	1600 1610 1617	927 1073 957
Dep 4293 Except 15% Bi Hydroxide X 7875 7873 21KZLi 7864	4296 4297 4298	1153 1183 1165	1520 1540 1527	1530 1543 1533	760 787 767	190 196		
Dep 4293 – but 21K 1 Li OH	4299 4300 4301	1137 1150 1123	1410 1490 1383	1420 1500 1393	603 680 527			

Note
NOTE

100	1/2	H	150	1/2	Hal
4291	93	147	597		
4292	120	167	603		
			200		
4293	1543	1597	967	1580	1580	870
4294	1514	1540	1083	1633	1727	970
4295	1493	1520	1030	1687	1697	857
4296	1567	1593	963	1520	1583	987
4297	1593	1613	1007	1553	1590	987
4298	1587	1610	1167	1600	1677	930
4299	1450	1467	663		
4300	1477	1507	697		
4301	1447	1453	667		

2100	1/2	H	250	X	Hal
1440	1520	857	1433	1517	883
1600	1653	1053	1593	1643	990
1623	1667	1017	1610	1653	1027
1533	1653	733	1503	1603	957
1590	1660	803	1577	1627	1090
1560	1727	993	1580	1600	1127

Note

NOTE

	300	1/2	H	350	1/2	Hol
4296	1533	1623	500	1490	1597	1040
97	1547	1623	1027	1493	1560	1093
98	1517	1627	1044	1413	1503	1177

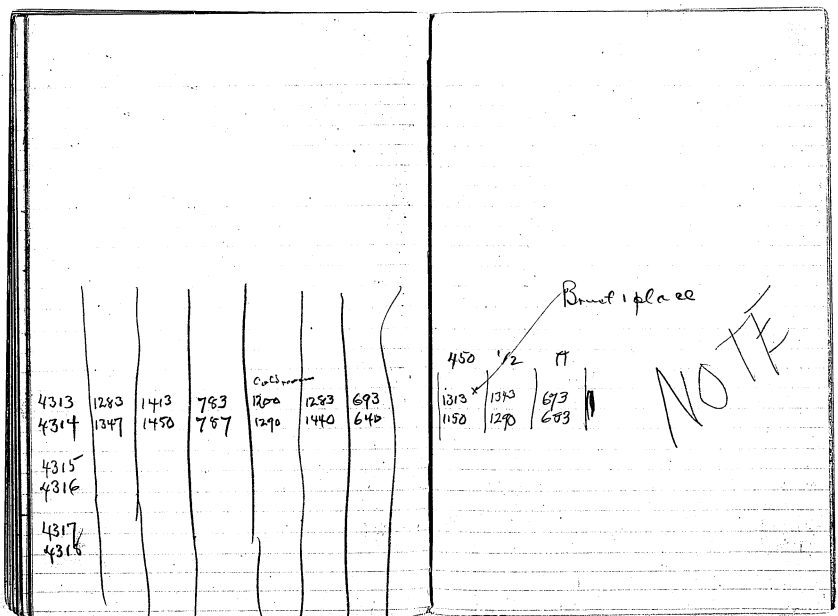
Dup 4299 2860 8163 8240 8300	4302	1137	1467	1480	873							
	4303	1120	1467	1480	817							
	4304	1117	1457	1467	813							
854 — 1123 f	4305	1240	1240	1247	347	1303	1327	680				
250 Wdg Flakes Pieces Sediment	4306	1243	1263	1270		1325	1347	730				
ZINC 6 2320 4. 268												
Dup 4305 — 1/2 gm Flake Con Pieces	4307	1253	1263	1270	390	1320	1343	720				
	4308	1250	1260	1267	427	1320	1343	693				
Dup 4305 — 1 gm Flakes Pieces	4309	1247	1263	1273	457	1320	1343	687				
	4310	1230	1263	1273	470	1300	1327	653				
Dup 4305 — 2 gms pc and Pieces	4311	1223	1260	1267	497	1297	1327	657				
	4312	1250	1267	1280	530	1323	1337	693				
Galena 519 — with 25% Cobalt 4 2647 254 7603 7565	4313	927	1370	1400	870	1507	1540	867				
	4314	917	1367	1400	833	1450	1503	863				
Galena 520, 30% Cobalt, 247N: 7602 7652	4315	983	1337	1380	860	1517	1563	920				
	4316	933	1390	1440	837	1450	1500	867				
Galena 525 50% Cobalt 248N 7362 7516	4317	983	1287	1337	830	1327	1373	870				
	4318	767	1247	1297	833	1270	1323	800				

Sulphate Lines
No Harm

The Lookout Lake 44 mil amp hours per pound of Cobalt in Solution

440 amp the limit for one 1/4 inch A.H. probably 550 for 1/8 Cu

4302	1583	1560	1160									
4303	1460	1567	917									
4304	1477	1567	980									
4313	1467	1523	603	1460	1510	750		1430	1490	783	1360	1413	810
4314	1443	1483	980	1407	1480	723		1387	1460	767	1367	1440	770
4315	1393	1449	980										
4316	1383	1427	993										
4317	1290	1313	800										
4318	1267	1310	650										


Brief place
NOTE

from the group on which we can put up new Colonel Cohns Except Bi

Gal Eulen 531 9; 10% Cobalt		4319	1067
243N	7528	4320	1043
	7480		
Gal Eulen 532 9; 15% Cobalt		4321	1057
243N	7450	4322	1077
	7430		
Gal Eulen 533 9; 20% Cobalt		4323	1133
261N	7966	4324	1083
	7945		
* Gal Eulen 535 30% Cobalt		4325	1020
256N	7762	4326	1010
	7831		
Ra 1298 Expmt. (1164 Series)		4347	903
291 —	8336	4348	903
	8363		
Ra 1298 Expmt (1165)	8387	4349	933
	8422	4350	933
Drop 4239 - Ra Expt.	7633	4351	1163
	7643	4352	1143

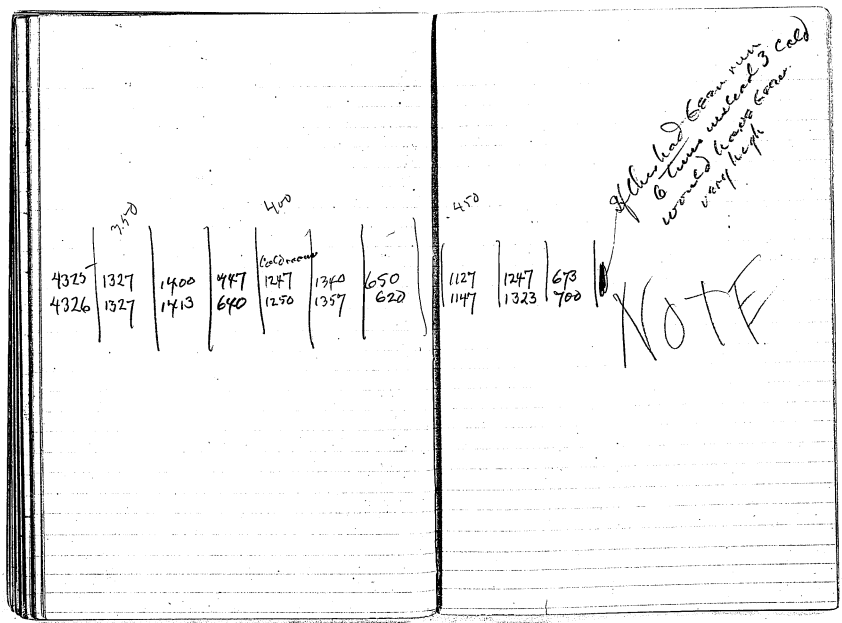
Groups 4355-56 from the Ra 854 Det on Mo 66 —
We now use 1256 Ra -

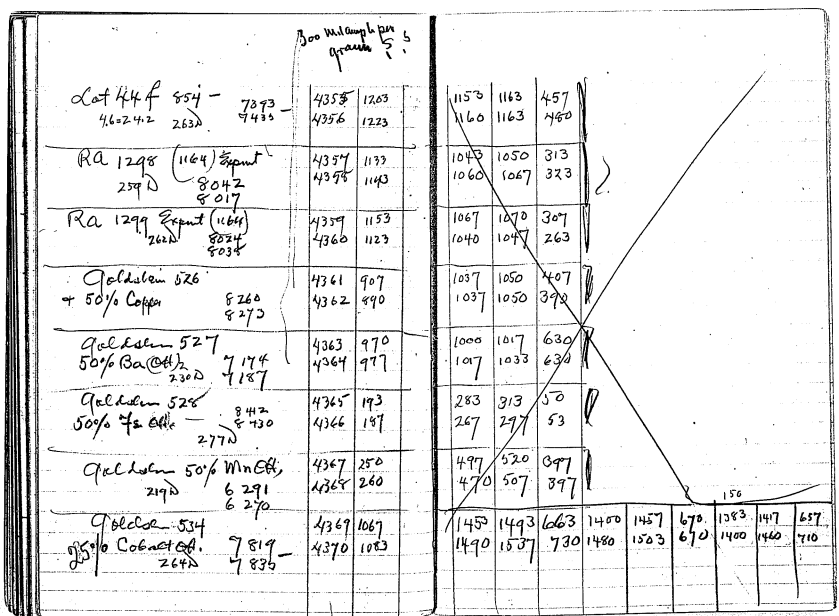
Note Cobalt

1243	1260	520	1307	1330	553
1227	1240	460	1293	1317	553
1200	1217	497	1263	1283	623
1200	1210	463	1240	1263	583
1290	1323	693	1327	1380	773
1263	1303	663	1287	1347	777
1393	1443	793	1507	1547	897
1367	1400	800	1523	1570	887
800	803	217			
800	807	233			
787	793	227			
787	797	230			
1163	1137	420			
1163	1120	413			

4325	1443	1500	777	1367	1413	737
4326	1517	1590	823	1390	1447	700

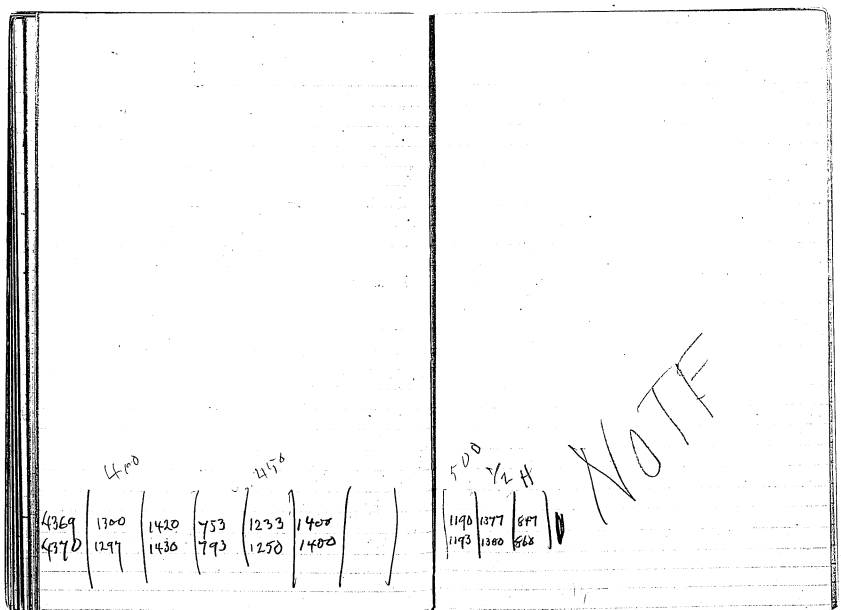
1367	1397	773	1367	1440	790
1373	1433	1187	1353	1427	1480


350
400
450
4325 1327 1400 447 1247 1340 650
4326 1327 1413 640 1250 1357 620
1127 1247 673
1147 1323 700
NOTE

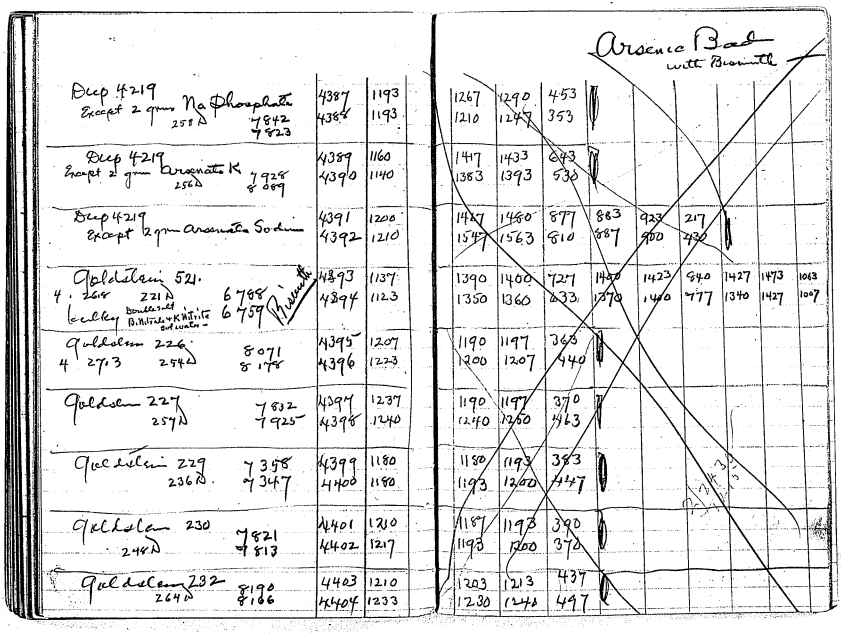

3000 Milliamps per gram
Lot 44f 854 – 7393 7433
4.6=2.4.2
263D
4354 1203
4356 1223
1153 1163 457
1160 1163 460
Ra 1298 (1164) Expmt
259D
8042
8017
4357 1133
4358 1143
1043 1050 313
1060 1067 323
Ra 1299 Expmt (1164)
262D
8024
8038
4359 1153
4360 1123
1067 1070 307
1040 1047 263
Goldschm 526
+ 50% Copper
8260
8273
4361 907
4362 890
1037 1050 407
1037 1050 390
Goldschm 527
50% Ba(OH)2
230D
7174
7187
4363 970
4364 977
1000 1017 630
1017 1033 630
Goldschm 528
50% Fe2O3
277D
8442
8430
4365 193
4366 187
283 313 50
267 297 53
Goldschm 50% MnO2
219D
6291
6270
4367 250
4368 260
497 520 397
470 507 397
156
Goldschm 534
95% Co3O4
264D
7819
7836
4369 1067
4370 1083
1453 1493 663 1400 1457 670 1383 1417 657
1490 1537 730 1480 1503 670 1400 1460 710

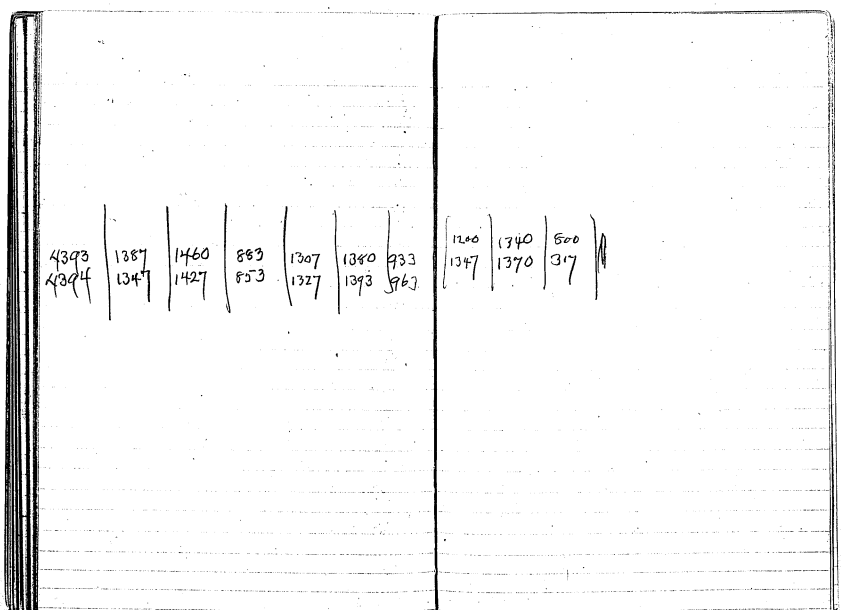
	1200			1350		
4369	1390	1463	720	1353	1420	757
4370	1410	1473	740	1357	1420	733

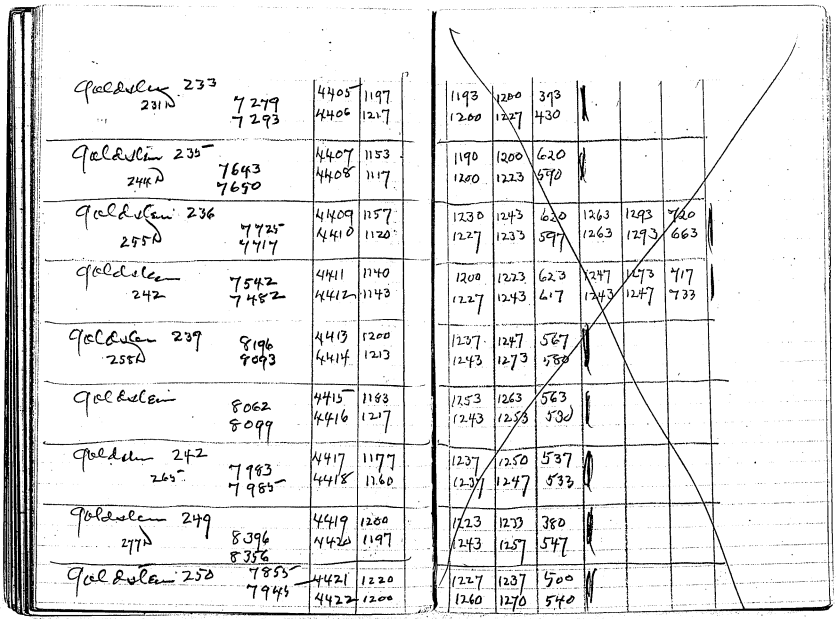
3mm				1750		
1357	1430	753	1353	1427	863	
1353	1427	793	1370	1440	853	


4360
4370
1300
1297
1420
1430
753
793
1233
1250
1405
1400
1190
1193
1377
1360
691
688
NOTE

Dup of 4289	4371	1213	1547	1567	837	1587	1667	1050	
Bismuth	4372	1213	1530	1553	760	1520	1657	973	
Dup 4219 – 4289	4373	0	00						
,	4374	0	02						
854 – 90% MnOH 5% $BiOX_3$ + 5% Cobalt by prec. like Co of Bi. Illum 100 sec 190 – 7437 7376	4375	1223	1433	1450	683	1400	1427	767	
	4376	1203	1373	1390	637	1400	1423	807	
Std 854 + mix of 85% MnOH 10% CoOH, + 5% Bi_2O_3 Illum 100 sec 190 – 27 – 4 – 2350 7318 7383	4377	1200	1367	1383	720	1410	1450	850	
	4378	1210	1357	1367	713	1400	1443	843	
854 – 80% MnOH 15% CoOH. 5% Bi_2O Illum 100 sec 190 – 4 27 2360 7386 7474	4379	1150	1307	1323	717	1390	1407	877	
	4380	1163	1333	1353	773	1400	1423	860	
854 85% MnOH 5% CoOH. 10% Bi_2O Illum 100 sec 190 2490 7620 7657	4381	1207	1487	1497	853	1473	1573	910	
	4382	1187	1523	1540	840	1589	1613	947	
Dup 4219 Except 2 gm Methylphosphate K 2590 7800 7747	4383	1163	1287	1300	453				
	4384	1067	1067	1083	227				
854 – 90% MnOH. 10% CoOH. 10% Bi_2O Illum 100 sec 190 – 27.2 4 7620 7633	4385		1503	1530	963	1517	1550	1077	
	4386		1523	1550	997	1527	1560	1103	


Arsenic Bad
with Bismuth
Dscp 4219
Except 2 gms Na Phosphate
258 D
7842
7823
4387
4388
1193
1193
1267
1210
1290
1247
453
353
Dscp 4219
Except 2 gms Bicarbonate K
256 D
7928
8009
4389
4390
1160
1140
1447
1383
1433
1393
643
530
Dscp 4219
Except 2 gms arsenate Sodium
4391
4392
1200
1210
1447
1547
1480
1563
877
810
883
887
923
900
217
430
Qaldalsen 521.
4 . 268 221 D
Leckby
6788
6759
Bismuth
4393
4394
1137
1123
1390
1350
1400
1360
727
633
1420
1370
1423
1460
840
777
1427
1340
1473
1427
1063
1007
Qaldalsen 226
4 27.3 254 D
8071
8178
4395
4396
1207
1223
1190
1200
1197
1207
368
440
Qaldalsen 227
257 D
7832
7925
4397
4398
1237
1240
1190
1240
1197
1260
370
463
Qaldalsen 229
236 D
7358
7347
4399
4400
1180
1180
1180
1193
1193
1200
383
447
Qaldalsen 230
248 D
7821
7813
4401
4402
1210
1217
1187
1193
1193
1200
390
370
Qaldalsen 232
264 D
8190
8186
4403
4404
1210
1233
1203
1230
1213
1248
437
497


4393 1387 1460 883 1307 1380 933 1200 1340 800
4394 1347 1427 853 1327 1393 867 1347 1370 317



Gelchsten 251	8032	4423	1247	1283	1293	543				
258N	8089	4424	1247	1263	1277	537				
Gelchsten 536 ·	7032	4425	1003	1600	1017	667				
233N	7011	4426	990	963	993	640				
40% from Geochy										
Gelchsten 522		4427	1157	1313	1327	810	1287	1333	790	what is it
207N	6496	4428	1163	1227	1237	810	1290	1340	797	
Geoff Cowling very fine Cly	6499									
Gelchsten	6394	4429	1177	1413	1437	873	1300	1353	1023	what is it
214N	6427	4430	1183	1418	1423	807	1333	1397	1050	
Dup 3922 RA 1227)		4431	1257	1220	1223	577	1197	1243	713	
	7605	4432	1213	1200	1210	573	1193	1223	687	
	7583									
Mix taken from old 9279-9288		4443	1380	1293	1327	920	1283	1343	930	
Inter-weaved grass ROM dried	8.358	444								
Interlayer of silt/clay apart on 15th -										
seemed, was treated with H_2O_2 by. then										
weighed + dried — used as MIX.										
Thick lake off roadway - hop + pink										
Inspection flake in ft. Cemented										
sticky plug up -										
Dup 4219 Except		4444	1167	1490	1567	817	983	1667	653	
2 pm Pyrophos Pleak		4445	1170	1487	1587	730	1290	1587	567	

				200	1/2	1f
4427	1317	1387	877	1290	1370	957
4428	1303	1383	927	1300	1390	920
4429	1360	1417	990	1363	1450	1000
4430	1383	1443	960	1383	1467	1000
4431	1217	1307	760			
4432	1240	1287	790			
4443	1327	1387	947	1383	1460	547

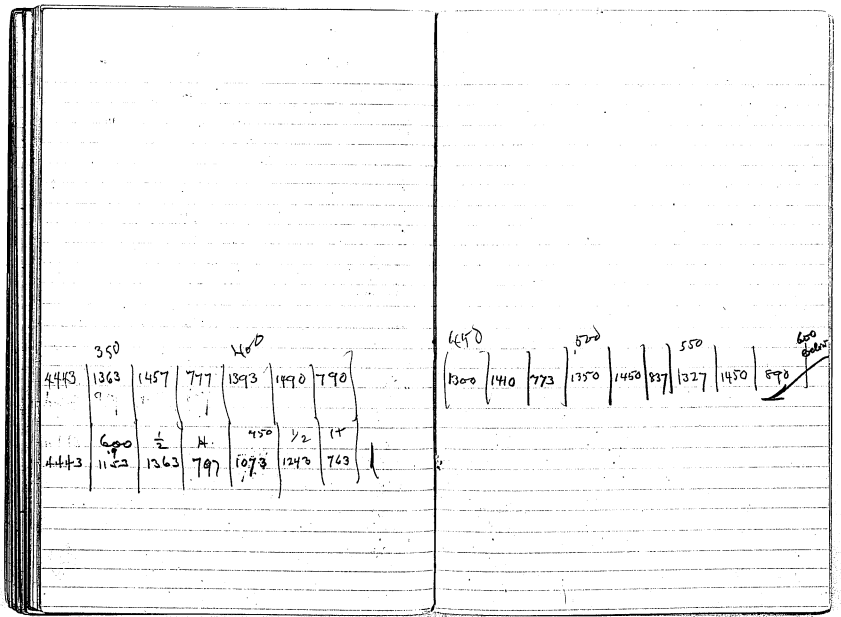
Note

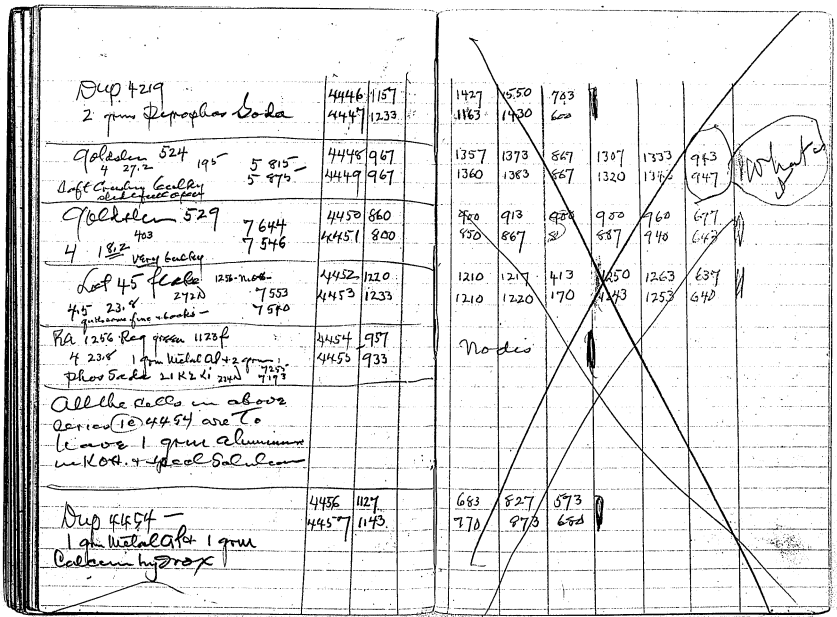
Note this Very Remarkable effect these Tubes (from selected Moth taken) were

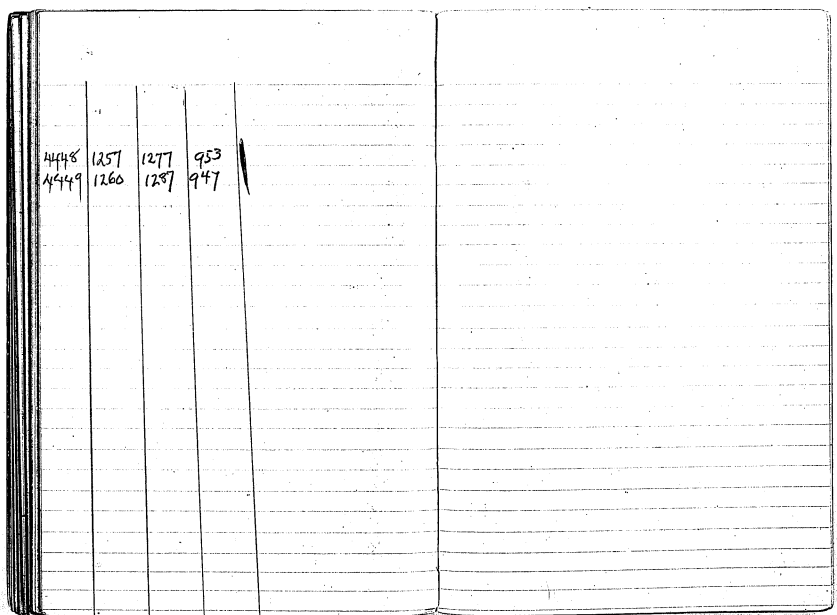
900 Slightly Heat

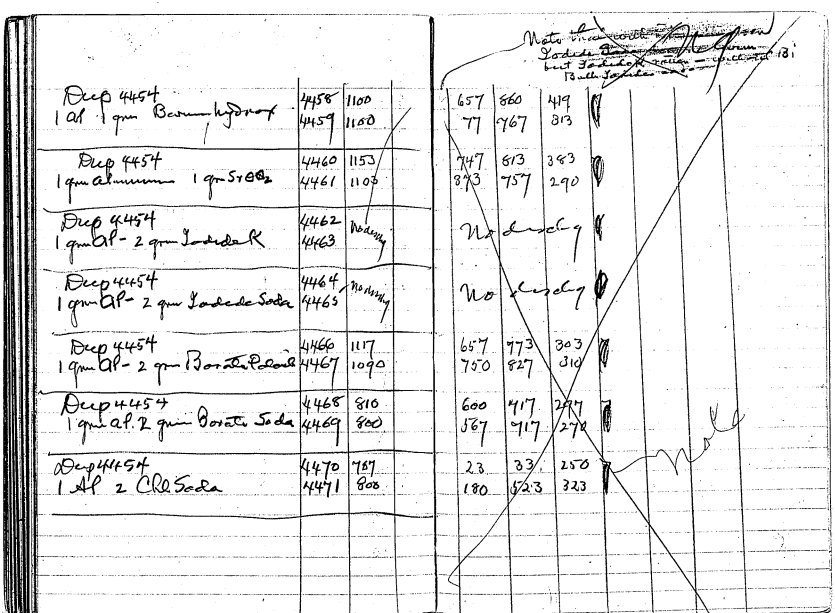
250

1385	1463	837	1447	1533	858


350
400
4443
1363
1457
777
1393
1490
790
600
1122
1/2
1363
797
450
1093
1/2
1243
74
743
4443
4450
1300
1440
773
525
1350
1450
837
550
1327
1450
590
600




4448 1257 1277 953
4449 1260 1287 947


Dup 4454
1 Al 1 gm Boron hydroxy
4458 1100
4459 1150
657 860 419
77 767 313
Dup 4454
1 gm aluminum 1 gm SrCO3
4460 1153
4461 1105
747 613 383
873 757 290
Dup 4454
1 gm Al - 2 gm Iodide K
4462 Nodeposit
4463
No deposit
Dup 4454
1 gm Al - 2 gm Iodide Soda
4464 No deposit
4465
No deposit
Dup 4454
1 gm Al - 2 gm Boric Acid
4466 1117
4467 1090
657 773 303
750 827 310
Dup 4454
1 gm Al 2 gm Boric Soda
4468 810
4469 800
600 717 277
567 717 272
Dup 4454
1 Al 2 Cl Soda
4470 787
4471 808
23 33 250
180 523 323